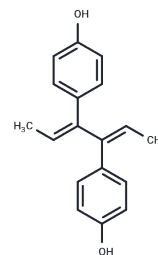


Dienestrol

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 84-17-3 |
| Formula: | C ₁₈ H ₁₈ O ₂ |
| Molecular Weight: | 266.33 |
| Appearance: | no data available |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year |



Biological Description

| | |
|-----------------|---|
| Description | Dienestrol (Restrol) is a synthetic and nonsteroidal estrogen, which is an estrogen receptor agonist. Estrogens can increase a normal clear discharge from the vagina and make the vulva and urethra healthy. |
| Targets(IC50) | Estrogen Receptor/ERR,Estrogen/progestogen Receptor |
| Animal Research | s |

Solubility Information

| | |
|------------|--|
| Solubility | DMSO: 50 mg/mL (187.74 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 3.7547 mL | 18.7737 mL | 37.5474 mL |
| 5 mM | 0.7509 mL | 3.7547 mL | 7.5095 mL |
| 10 mM | 0.3755 mL | 1.8774 mL | 3.7547 mL |
| 50 mM | 0.0751 mL | 0.3755 mL | 0.7509 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Juriansz RL, et al. Y Res. 1988 Jan 1;48(1):14-8.

Yang R, Wang X, Wang J, et al. Insights into the sex-dependent reproductive toxicity of 2-ethylhexyl diphenyl phosphate on zebrafish (Danio rerio). Environment International. 2022, 158: 106928.

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